Index for Volume 50 (1979)

This index is composed of the following three subindexes: I. Bibliographical Index; II. Author Index; and III. Topic Index.

Entries in the bibliographical index have been indexed by the last name of the author or, in the case of multiple authors, by the last name of the senior (first) author. Reference information includes the name(s) of the author(s), title of the article, the month of publication, and the page on which it begins.

The author index cites the name of each author included in the volume, followed by the month(s) of publication and the page(s) on which the article(s) begin.

In the topic index, each article is listed under those important subjects about which the article provides information. The numbers refer to the initial page of the article(s) in which the topic is discussed.

I. BIBLIOGRAPHICAL INDEX

Anderson, Margaret B. Comparison of muscle patterning in the overarm throw and tennis serve. Dec. 541.

Anshel, Mark H. Effect of age, sex and type of feedback on motor performance and locus of control. Oct. 305.

Armstrong, Charles W. and Hoffman, Shirl J. Effects of teaching experience, knowledge of performer competence, and knowledge of performance outcome on performance error identification. Oct. 318.

Avery, Cathy A.; Richardson, Peggy A.; and Jackson, Allen W. A practical tennis serve test: measurement of skill under simulated game conditions. Dec. 554.

Bain, Linda L. Perceived characteristics of selected movement activities. Dec. 565.

Baker, John A. W. and Putnam, Carol A. Tennis racket and ball responses during impact under clamped and freestanding conditions. May 164.

Barnett, Mary L. and Stanicek, Jean A. Effects of goal setting on achievement in archery. Oct. 328.

Bell, George H. and Ribisl, Paul M. Maximal oxygen uptake during swimming of young competitive swimmers 9 to 17 years of age. Dec. 574.

Bennett, Ian Charles; Vincent, William J.; and Johnson, Chris J. Effects of precision of grading systems on learning a fine motor skill. Dec. 715.

Blattner, Stuart E. and Noble, Larry. Relative effects of isokinetic and plyometric training on vertical jumping performance. Dec. 583.

Budney, David R. Measuring grip pressure during the golf swing. May 272.

Budney, David R. and Bellow, Donald G. Kinetic analysis of a golf swing. May 171.

Burke, Edmund J. and Brush, Florence C. Physiological and anthropometric assessment of successful teenage female distance runners. May 180.

Campbell, Donald E. Generation of horsepower at low and high velocity by sprinters and distance runners. Mar. 1.

Clarke, David H. and Vaccaro, Paul. The effect of swimming training on muscular performance and body composition in children. Mar. 9.

Clarke, Stephen R. Tie point strategy in American and international squash and badminton. Dec. 729.

Clarke, Stephen R. and Norman, John M. Comparison of North American and international squash scoring systems—analytical results. Dec. 723.

Collins, D. Ray and Hodges, Patrick B. Response to "a racquetball skills test." Oct. 524.

Crompton, John L.; Lamb, Charles W. Jr.; and Vedlitz, Arnold. Age and sex differences among adolescent participants in nine outdoor recreation activities. Dec. 589.

Cureton, Kirk J.; Hensley, Larry D.; and Tiburzi, Antoinette. Body fatness and performance differences between men and women. Oct. 333.

Dainis, A. Cinematographic analysis of the handspring vault. Oct. 341.

Dodds, Patt. A peer assessment model for student teacher supervision. Mar. 18.

Evans, William J.; Bennett, Alice S.; Costill, David L.; and Fink, William J. Leg muscle metabolism in trained and untrained men. Oct. 350.

Gabbard, Carl; Kirby, Tim; and Patterson, Patrick. Reliability of the straight-arm hang for testing muscular endurance among children 2 to 5. Dec. 735.
Gagnon, Micheline and Rodrique, Diane. Determination of physical properties of the forearm by anthropometry, immersion, and photography methods. May 188.
Gilliam, Thomas B.; Villanacci, John F.; Freedson, Patty S.; and Sady, Stanley P. Isokinetic torque in boys and girls ages 7 to 13: effect of age, height, and weight. Dec. 599.
Gillis, Jacqueline H. Effects of achieving tendency, gender, and outcome on causal attributions following motor performance. Dec. 610
Goggin, Noreen L. and Christina, Robert W. Reaction time analysis of programed control of short, rapid aiming movements. Oct. 360.
Gould, Daniel and Martens, Rainer. Attitudes of volunteer coaches toward significant youth sport issues. Oct. 369.
Gregory, Larry W. The development of aerobic capacity: a comparison of continuous and interval training. May 199.
Gruber, Joseph J. and Beauchamp, Diane. Relevancy of the competitive state anxiety inventory in a sport environment. May 207.

Hagler, Richard W. and Wallace, Stephen A. Knowledge of performance and the learning of a closed motor skill. May 265.
Hensley, Larry D.; East, Whitfield B.; and Stillwell, Jim L. A racquetball skills test. Mar. 114.
Hensley, Larry D.; East, Whitfield B.; and Stillwell, Jim L. Reply to Collins and Hodges. Oct. 525.
Hinson, Marilyn N.; Smith, William C.; and Funk, Sandy. Isokinetics: a clarification. Mar. 30.
Hinson, Marilyn; Smith, William C.; and Funk, Sandy. Rebuttal. Oct. 529.
Hopkins, David R. Using skill tests to identify successful and unsuccessful basketball performers. Oct. 381.
Hubbard, Alfred W. Comments on isokinetics. Oct. 528.
Hunt, Sharon L. Work and leisure in an academic environment: relationships between selected meanings. Oct. 388.
Husak, William S. and Reeve, T. Gilmour. Novel response production as a function of variability and amount of practice. May 215.

Iacobellis, Joseph. Cardiovascular responses to sustained isometric work in a hot environment. Dec. 620.
Iso-Ahola, Seppo E. Sex-role stereotypes and causal attributions for success and failure in motor performance. Dec. 630.
Israel, Richard G. Time comparison between the cross-over and jab-step starts. Oct. 521.

Jackson, Allen; Jackson, Andrew S.; and Frankiewicz, Ronald G. The construct and concurrent validity of a 12-minute crawl stroke swim as a field test of swimming endurance. Dec. 641.
Jetté, Maurice; Cauthier, Roger; and Mongeon, Jean. A simple field procedure for estimating ideal body weight in males. Oct. 396.

Karpman, Mitchell B. and Isaacs, Larry D. An improved racquetball skills test. Oct. 526.
Karpman, Mitchell B. and Vaccaro, Paul. An alternative approach for expressing $\dot{V}O_2$ max changes when comparing training programs. Dec. 739.
King, Harry A. Effect of match length on ranking accuracy of round robin tournaments: a computer simulation study. Oct. 404.
Krahenbuhl, G. S.; Pangrazi, R. P.; and Chomokos, E. A. Aerobic responses of young boys to submaximal running. Oct. 413.

Landers, Daniel M. Informed Consent: a reply to Liemohn. Mar. 134.
Liemohn, Wendell. Informed consent. Mar. 132.
Liemohn, Wendell. Research involving human subjects. May 157.

MacGillivary, William W. Perceptual style and ball skill acquisition. May 222.
Magill, Richard A. and Ash, Michael J. Academic, psycho-social, and motor characteristics of participants and nonparticipants in children's sport. May 230.
Mann, Ralph V. and Sorensen, Harold C. Investigating complex movements by computer simulation—application to the flip long jump. Mar. 36.
Marino, G. Wayne. Acceleration-time relationships in an ice skating start. Mar. 55.
Martinek, Thomas J. and Johnson, Susan B. Teacher expectations: effects on dyadic interactions and self-concept in elementary age children. Mar. 60.
Mathes, Sharon A.; Wood, Shirley J.; Christensen, Charlene E.; and Christensen, James E. An exploratory analysis of the attitudinal impact of awarding athletic scholarships to women. Oct. 422.
Matthews, Peter R. The frequency with

which the mentally retarded participate in recreation activities. Mar. 71.
McCormick, James H., and Subbaiah, Perla. Testing homogeneity among judges of diving. May 278.
McElroy, Mary A. Sport participation and educational aspirations: an explicit consideration of academic and sport value climates. May 241.
Mihevic, Patricia M. and Spray, Judith A. An alternative multivariate one- and two-sample post hoc procedure. Dec. 649.
Miller, R. J. Dark focus, movement contrast, and the high sky phenomenon. Mar. 119.
Miyashita, Mitsumasa and Kanehisa, Hiroaki. Dynamic peak torque related to age, sex, and performance. May 249.
Morrow, James R. Jr. and Frankiewicz, Ronald G. Strategies for the analysis of repeated and multiple measures designs. Oct. 297.
Morrow, James R. Jr.; Jackson, Andrew S.; Hosler, William W.; and Kachurik, Janyce K. The importance of strength, speed, and body size for team success in women's intercollegiate volleyball. Oct. 429.
Murray, Mary Jo. Matching preferred cognitive mode with teaching methodology in learning a novel motor skill. Mar. 80.

Nicholson, Connie Snyder. Some attitudes associated with sport participation among junior high school females. Dec. 661.
Noble, Bruce J. and Maresh, Carl M. Acute exposure of college basketball players to moderate altitude: selected physiological responses. Dec. 668.
Noble, R. Mark and Howley, Edward T. The energy requirement of selected tap dance routines. Oct. 438.
Noss, Jerome R. Reply to Putnam note. Mar. 143.

Parkhouse, Bonnie L. and Holmen, Milton G. Action research and development: utilizing sociometric analysis in physical education and athletic departments. Oct. 511.
Plagenhoef, Stanley. Biomechanical analysis of olympic flatwater kayaking and canoeing. Oct. 443.
Putnam, C. A. Response to Noss reply. Mar. 144.
Putnam, C. A. The tri-axial cinematographic method of angular measurement. Mar. 140.

Roberton, Mary Ann; Halverson, Lolas E.; Langendorfer, Stephen; and Williams, Kathleen. Longitudinal changes in children's overarm throw ball velocities. May 256.

Sage, George H. and Loudermilk, Sheryl. The female athlete and role conflict. Mar. 88.
Scheuchenzuber, H. Joseph. Split-image photography for analysis of semisubmerged activities. Mar. 123.
Shea, Charles H. and Husak, William S. Linear, curvilinear, and two-dimensional electronic movement positioning apparatus. May 282.
Snyder, Eldon E. and Spreitzer, Elmer. High school value climate as related to preferential treatment of athletes. Oct. 460.
Strache, Carolyn Vos. Players' perceptions of leadership qualities for coaches. Dec. 679.

Taylor, John L. Development of the physical education observation instrument using generalizability study theory. Oct. 468.
Templin, Thomas J. Occupational socialization and the physical education student teacher. Oct. 482.
Thomas, Jerry R.; Mitchell, Beverly; and Solmon, Melinda A. Precision knowledge of results and motor performance: relationship to age. Dec. 687.
Thomas, Tom R.; Etheridge, Gil L.; Londeree, Ben R.; and Shannon, Wayne. Prolonged exercise and changes in percent fat determinations by hydrostatic weighing and scintillation counting. Dec. 709.
Tu, June and Rothstein, Anne L. Improvement of jogging performance through application of personality specific motivational techniques. Mar. 97.

Vertinsky, Patricia. The use of regression to model expressed curriculum content preferences: a measurement methodology and example. Mar. 104.

Weinberg, Robert S. and Jackson, Allen. Competition and extrinsic rewards: effect on intrinsic motivation and attribution. Oct. 494.
Weinberg, Robert S. and Ragan, John. Effects of competition, success/failure, and sex on intrinsic motivation. Oct. 503.
Wiegand, Robert. The disc maze apparatus: a novel, versatile motor learning task. Mar. 128.
Wrisberg, Craig A.; Paul, J. Herbert; and Ragsdale, Michael R. Subject gender, knowledge of results, and receptor anticipation. Dec. 699.

II. AUTHOR INDEX

After the name of each author are the month(s) of publication and the page(s) on which the article(s) begin.

A

Anderson, Margaret B., Dec. 541.
Anshel, Mark H., Oct. 305.
Armstrong, Charles W., Oct. 318.
Ash, Michael J., May 230.
Avery, Cathy A., Dec. 554.

B

Bain, Linda L., Dec. 565.
Baker, John A. W., May 157.
Barnett, Mary L., Oct. 328.
Beauchamp, Diane, May 207.
Bellow, Donald G., May 171.
Bennett, Alice S., Oct. 350.
Bennett, Ian Charles, Dec. 715.
Blattner, Stuart E., Dec. 583.
Broom, Eric F., Oct. 534.
Brush, Florence C., May 180.
Budney, David R., May 171, 272.
Burke, Edmund J., May 180.

C

Campbell, Donald E., Mar. 1.
Cauthier, Roger, Oct. 396.
Chomokos, E. A., Oct. 413.
Christensen, Charlene E., Oct. 422.
Christensen, James E., Oct. 422.
Christina, Robert W., Oct. 360.
Clarke, David H., Mar. 1.
Clarke, Stephen R., Dec. 723, 729.
Collins, D. Ray, Oct. 524.
Costill, David L., Oct. 350.
Crompton, John L., Dec. 589.
Cureton, Kirk J., Oct. 333.

D

Dainis, A., Oct. 341.
Dodds, Patt, Mar. 18.

E

East, Whitfield B., Mar. 114, Oct. 525.
Etheridge, Gil L., Dec. 709.
Evans, William J., Oct. 350.

F

Fink, William J., Oct. 350.
Frankiewicz, Ronald G., Oct. 297, Dec. 641.
Freedson, Patty S., Dec. 599.
Funk, Sandy, Mar. 30, Oct. 529.

G

Gabbard, Carl, Dec. 735.
Gagnon, Micheline, May 188.
Gilliam, Thomas B., Dec. 599.
Gillis, Jacqueline H., Dec. 610.
Goggin, Noreen L., Oct. 360.
Gould, Daniel, Oct. 369.
Greendorfer, Susan L., Oct. 532.
Gregory, Larry W., May 199.
Gruber, Joseph J., May 207.

H

Hagler, Richard W., May 265.
Hall, George H., Dec. 574.
Halverson, Lolas E., May 256.
Hensley, Larry D., Mar. 114, Oct. 333, 525.
Hinson, Marilyn N., Mar. 30, Oct. 529.
Hodges, Patrick B., Oct. 524.
Hoffman, Shirl J., Oct. 318.
Holmen, Milton G., Oct. 511.
Hopkins, David R., Oct. 381.
Hosler, William W., Oct. 429.
Howley, Edward T., Oct. 438.
Hubbard, Alfred W., Oct. 528.
Hunt, Sharon L., Oct. 388.
Husak, William S., May 215, 282.

I

Iacobellis, Joseph, Dec. 620.
Isaacs, Larry D., Oct. 526.
Iso-Ahola, Seppo E., Dec. 630.
Israel, Richard G., Oct. 521.

J

Jackson, Allen, Oct. 494, Dec. 554, 641.
Jackson, Andrew S., Oct. 429, Dec. 641.
Jetté, Maurice, Oct. 396.
Johnson, Chris J., Dec. 715.
Johnson, Susan B., Mar. 60.

K

Kachurik, Janyce K., Oct. 429.
Kanehisa, Hiroaki, May 249.
Karpman, Mitchell B., Oct. 526, Dec. 739.
King, Harry A., Oct. 404.
Kirby, Tim, Dec. 735.
Krahenbuhl, G. S., Oct. 413.

L

Lamb, Charles W. Jr., Dec. 589.
Landers, Daniel M., Mar. 134.
Langendorfer, Stephen, May 256.
Liemohn, Wendell, Mar. 132, May 157.
Londeree, Ben R., Dec. 709.
Loudermilk, Sheryl, Mar. 88.

M

MacGillivary, William W., May 222.
Magill, Richard A., May 230.
Maksud, Michael G., Oct. 531.
Mann, Ralph V., Mar. 36.
Maresh, Carl M., Dec. 668.
Marino, G. Wayne, Mar. 55.
Martens, Rainer, Oct. 369.
Martinek, Thomas J., Mar. 60.
Mathes, Sharon A., Oct. 422.
Matthews, Peter R., Mar. 71.
McCormick, James H., May 278.
McElroy, Mary A., May 241.
Mihevic, Patricia M., Dec. 649.
Miller, R. J., Mar. 119.
Mitchell, Beverly, Dec. 687.
Miyashita, Mitsumasa, May 249.
Mongeon, Jean, Oct. 396.
Morford, W. Robert, Oct. 534.
Morrow, James R. Jr., Oct. 297, 429.
Murray, Mary Jo, Mar. 88.

N

Nicholson, Connie Snyder, Dec. 661.
Noble, Bruce J., Dec. 668.
Noble, Larry, Dec. 583.
Noble, R. Mark, Oct. 438.
Norman, John M., Dec. 723.
Noss, Jerome R., Mar. 143.

P

Pangrazi, R. P., Oct. 413.
Parkhouse, Bonnie L., Oct. 511.
Patterson, Patrick, Dec. 735.
Paul, J. Herbert, Dec. 699.
Plagenhoef, Stanley, Oct. 443.
Putnam, C. A., Mar. 140, 144, May 164.

R

Ragan, John, Oct. 503.
Ragsdale, Michael R., Dec. 699.
Reeve, T. Gilmour, May 215.
Ribisl, Paul M., Dec. 574.
Richardson, Peggy A., Dec. 554.
Roberton, Mary Ann, May 256.
Rodrique, Diane, May 188.
Rothstein, Anne L., Mar. 97.

S

Sady, Stanley P., Dec. 599.
Sage, George H., Mar. 88.
Scheuchenzuber, H. Joseph, Mar. 123.
Shannon, Wayne, Dec. 709.
Shea, Charles H., May 282.
Smith, William C., Mar. 30, Oct. 529.
Snyder, Eldon E., Oct. 460.
Solmon, Melinda A., Dec. 687.
Sorensen, Harold C., Mar. 36.
Spray, Judith A., Dec. 649.
Spreitzer, Elmer, Oct. 460.
Stanicek, Jean A., Oct. 328.
Stillwell, Jim L., Mar. 114, Oct. 525.
Strache, Carolyn Vos, Dec. 679.
Subbaiah, Perla, May 278.

T

Taylor, John L., Oct. 468.
Templin, Thomas J., Oct. 482.
Tiburzi, Antoinette, Oct. 333.
Thomas, Jerry R., Dec. 687.
Thomas, Tom R., Dec. 709.
Tu, June, Mar. 97.

V

Vaccaro, Paul, Mar. 9, Dec. 739.
Vedlitz, Arnold, Dec. 589.
Vertinsky, Patricia, Mar. 104.
Villanacci, John F., Dec. 599.
Vincent, William J., Dec. 715.

W

Wallace, Stephen A., May 265.
Weinberg, Robert S., Oct. 494.
Wiegand, Robert, Mar. 128.
Williams, Kathleen, May 256.
Wood, Shirley J., Oct. 422.
Wrisberg, Craig A., Dec. 699.

III. TOPIC INDEX

Each listing is followed by the month and the initial page number(s) of the article(s) in which the subject is discussed.

A

academic achievement, and sports participation, May 230
academic and sport value climates, May 241; Oct. 460
acceleration time, in ice skating start, Mar. 55
achieving tendency, effect on causal attributions, Dec. 610
administration of PE and athletics departments, Oct. 511
adolescence, Dec. 589
aerobic capacity, training for, May 199
aerobic power and hypoxic response to moderate altitude, Dec. 668
aerobic responses to submaximal and maximal running, Oct. 413
aerobic training, results of in exercise, Oct. 350
age, relationships of to precision knowledge of results and motor performance, Dec. 687, to torque, May 249
age differences in participation in outdoor recreation activities, Dec. 589
altitude, moderate, effect of basketball players' exposure to, Dec. 668
anthropological measures of female runners, May 180
anthropometry, to determine physical properties of the forearm, May 188
archery, achievement in, Oct. 328
athletes, high school value climate and, Oct. 460
athletic participation, by females, Mar. 88
attitudes, of coaches to youth sports, Oct. 369; of junior high school females, associated with sport participation, Dec. 661; toward high school athletes, Oct. 460; toward leisure and work, Oct. 388; toward women's athletic scholarships, Oct. 422
attributions, causal, effects of achieving tendency, gender, and outcome on, Dec. 610; and sex-role stereotypes, Dec. 630

B

badminton, tie point strategy in, Dec. 729
ball skill acquisition, May 222
base stealing techniques, Oct. 521
basketball, players, identifying successful and unsuccessful, Oct. 381; response of to moderate altitude, Dec. 668
behavior analysis, Mar. 18
biomechanical analysis of kayaking and canoeing, Oct. 443
body composition of children, effects of swimming training on, Mar. 9
body fatness, sex differences in, Oct. 333
body weight, estimating ideal, Oct. 396
book reviews
Activity and Play of Children, May 289
Biomechanics VI-A, VI-B, May 292
Biomechanics of Sports Techniques, May 286
Comprehensive Guide to Sports Skills Tests and Measurements, May 287
Developmental and Adapted Physical Education, Mar. 151
Health and Fitness through Physical Activity, Mar. 149
Physiology of Fitness, Oct. 531
Play Behavior, Mar. 147
Saga of American Sport, Mar. 146
Sport and International Relations, Oct. 534
Sport and Social Systems, Oct. 532
Swimming Medicine IV, May 290

C

canoeing, biomechanical analysis of, Oct. 443
cardiovascular responses to isometric work in a hot environment, Dec. 620
center of mass, May 188
children, overarm throw of, May 256; self concept in, Mar. 60; sports, participation in, May 230
cinematographic analysis, of canoe and kayak paddlers, Oct. 443; of overarm throw and tennis serve, Dec. 541; of semisubmerged activities, Mar. 123; of handspring vault, Oct. 341; tri-axial, of angular measurement, Mar. 140
coaches, and women's athletic scholarships, Oct. 422; players' perceptions of leadership qualities for, Dec. 679; volunteer, for youth sports, Oct. 369
cognitive evaluation theory, Oct. 494
cognitive style, Mar. 80
competency based instruction, Mar. 18

competition, and extrinsic rewards, Oct. 494; and intrinsic motivation, Oct. 503
Competitive State Anxiety Inventory, May 207
computer simulation, investigating complex movements by, Mar 36; to rank accuracy of round robin tournaments, Oct. 404
cross-over start, time comparison with jab-step start, Oct. 521
curriculum content preferences, Mar. 104

D

dance, tap, energy requirements of, Oct. 438
dark focus, Mar. 119
diving, testing homogeneity of judges for, May 278
dynamic model of golf swing, May 175

E

educational aspirations and sport participation, May 241
elbow muscles, torque-generating capabilities of, Dec. 599
electromyographic study of overarm throw and tennis serve, Dec. 541
electronic digitizer, May 282
endurance, in young children, Dec. 735; swimming test for, Dec. 641; tethered swimming test of, Dec. 574
energy requirements of tap dance routines, Oct. 438
estimating body weight, Oct. 396
exercise, effects of on substrate changes in blood and muscles, Oct. 350

F

feedback, effect of on motor performance and locus of control, Oct. 305
field, dependence-independence, May 222
field procedure for estimating body weight, Oct. 396
field test for swimming endurance, Dec. 641
female athlete, and role conflict, Mar. 88; impact of scholarships on, Oct. 422
forearm, physical properties of, May 188

G

goal setting, Oct. 328
grading systems, effects of precision of on learning a motor skill, Dec. 715
golf, kinetic analysis of swing, May 171; grip pressure during swing, May 272
Guide for Research Quarterly Contributors, Mar. 153; Oct. 537
gymnastics, Oct. 341

H

handspring vault, Oct. 341
heated environment, isometric work in, Dec. 620
high sky phenomenon, Mar. 119
horsepower of runners, Mar. 1
human subjects in research, May 157; Mar. 132, 134

I

ice skating start, Mar. 55
immersion, to determine physical properties of forearm, May 188
informed consent, May 157; Mar. 132, 134
interaction analysis, Mar. 60
isokinetic torque, Dec. 599
isokinetic training, effects on vertical jumping, Dec. 583
isokinetics, Mar. 30; comments on and rebuttal, Oct. 528
isometric work, cardiovascular responses to in a hot environment, Dec. 620

J

jab-step start, time comparison with cross-over start, Oct. 521
jogging, Mar. 97
judging diving, May 278

K

kayaking, biomechanical analysis of, Oct. 443
kinetic analysis of golf swing, May 171
knee, extensor muscles, May 249; flexion and extension of in runners, Mar. 1; muscles, torque-generating capabilities of, Dec. 599
knowledge of performance, May 265
knowledge of results, and receptor anticipation, Dec. 699; relationship with age and preciseness of, Dec. 687

L

Leader Behavior Description Questionnaire, Dec. 679
leadership qualities for coaches, players' perceptions of, Dec. 679
leisure, and work in an academic environment, meanings of, Oct. 388
locus of control, Oct. 305
long jump, flip, Mar. 36

M

maximal oxygen consumption, an alternative method of expression for, Dec. 737

maximal oxygen uptake during swimming, Dec. 574
maze, disc, apparatus, Mar. 128
measurement methodology, Mar. 104
mentally retarded, participation in recreational activities, Mar. 71
merged departments of PE and athletics, sociometric analysis in, Oct. 511
metabolism, response of to exercise, Oct. 350
motivation, intrinsic, effect of extrinsic rewards on, Oct. 494; techniques, personality specific, Mar. 97
motor learning, novel task apparatus, Mar. 128
motor performance and locus of control, Oct. 305
motor response, novel, May 215
motor skill, closed, learning of and KP, May 265; fine, effects of precision of grading systems on, Dec. 715
movement perception, Mar. 119
movement positioning apparatus, May 282
multiple measures designs, Oct. 297; Dec. 649
muscular, contraction, Mar. 30; endurance, test of in young children, Dec. 735; patterning in overarm throw and tennis service, Dec. 541; performance in children, effects of swimming training on, Mar. 9

N

norms for tennis serve tests, male and female, Dec. 554

O

outdoor recreation activities, participation in, Dec. 589
overarm throw, May 256; compared with tennis serve, Dec. 541

P

participation, and nonparticipation in children's sports, May 230; in movement activities, perceived characteristics of, Dec. 565; in outdoor recreation activities, Dec. 589; sports, and educational aspirations, May 241; sports, and high school value climate, Oct. 460; sports, attitudes of junior high school females toward, Dec. 661.
peak torque, isokinetic, May 249
perceived characteristics of selected movement activities, Dec. 554
perceptual style, May 222
performance error identification, Oct. 318
performance tests, sex differences in, Oct. 333
photographic methods, of determining physical properties of forearm, May 188; for underwater activities, Mar. 123
Physical Education Observation Instrument, Oct. 468
physiological measures of female runners, May 180
players' perceptions of leadership qualities for coaches, Dec. 679
plyometric training, effects on vertical jumping, Dec. 583
post hoc analysis, Dec. 649
practice, amount of, and producing novel response, May 215
precision, of grading systems, effects of, Dec. 715; knowledge of results, effects of, Dec. 687
processing information, effects of age and precision of KR on, Dec. 687
psycho-social characteristics of participants in children's sports, May 230
Pupil Control Ideology, Oct. 482

R

racquetball skills test, Mar. 114; Oct. 524, 526
ranking accuracy of round robin tournaments, Oct. 404
rater reliability of the PEOI, Oct. 468
rating judges of diving, May 278
reaction time analysis, Oct. 360
receptor anticipation, subject gender, and KR, Dec. 699
recreation activities, and mentally retarded, Mar. 71; outdoor, Dec. 589
repeated measures designs, Oct. 297
research design, May 157; Oct. 297; Dec. 649
response speed, Dec. 699
rewards, extrinsic, effect of on motivation, Oct. 494
role conflict, and the female athlete, Mar. 88
round robin tournaments, Oct. 404
Roy-Bose procedure, Dec. 649
runners, female, assessment of, May 180; sprinters and distance, and generation of horsepower, Mar. 1; aerobic responses of, Oct. 413

S

scholarships, athletic, for women, Oct. 422
school value environment, and sport participation, May 241
scoring systems, squash, Dec. 723
self-concept, in children, and teacher expectations, Mar. 60
self-enhancement hypothesis, Oct. 494

self-perceptions, of young female participants in sports, Dec. 661
sex differences, in body fatness and performance, Oct. 333; in causal attributions, Dec. 610; in dynamic peak torque, May 249; in knee and elbow muscles, Dec. 599; in motivation and attribution, Oct. 494, 503; in participation in outdoor recreation activities, Dec. 589; in receptor anticipation, Dec. 699
sex-role stereotypes, Dec. 630
skill test, to identify successful basketball players, Oct. 381; racquetball, Mar. 114, Oct. 524, 526
socialization, occupational, of PE student teacher, Oct. 482
sociometric analysis in PE departments, Oct. 511
sport environment, and competitive state anxiety inventory, May 207
sport participation, and educational aspirations, May 241; children's, May 230
squash, tie point strategy in, Dec. 729; scoring systems, Dec. 723
straight-arm hang as test of muscular endurance in young children, Dec. 735
student behaviors in PE, Oct. 468
student teacher in PE, occupational socialization of, Oct. 482; student teaching, Mar 18
success/failure, effects on motivation, Oct. 494, 503; in motor performance, Dec. 630
swimming, tethered test for endurance, Dec. 574, 12-min crawl stroke swim as field test for endurance in, Dec. 641; training, Mar. 9

T

teacher, behaviors in PE, Oct. 468; expectations, Mar. 60
teaching, experiences, Oct. 318; techniques, Mar. 60, 80; Oct. 318, 328; Dec. 715
team success, in women's volleyball, Oct. 429
tennis, racket and ball response in clamped and freestanding condition, May 164
tennis serve, compared with overarm throw, Dec. 541; test for, Dec. 554
test, of muscular endurance of young children, Dec. 735; tennis serve, Dec. 554. *See also field test*
thermoregulation, Dec. 620
throwing velocity of children, May 256
tie point strategy in squash and badminton, Dec. 729
training, approach for comparing programs of, Dec. 739; effects on vertical jumping, Dec. 583; continuous and interval, to develop aerobic capacity, May 199; swimming, Mar. 9

V

value climate and preferential treatment of athletes, Oct. 460
velocity, angular, of a limb, Mar. 30; throwing, of children, May 256
vertical jumping, effects of training on, Dec. 583
volleyball, team success in, Oct. 429

W

whole-part methodology issue, Mar. 80
Work-Leisure Attitude Inventory, Oct. 388

Y

youth sports, attitudes of volunteer coaches toward, Oct. 369